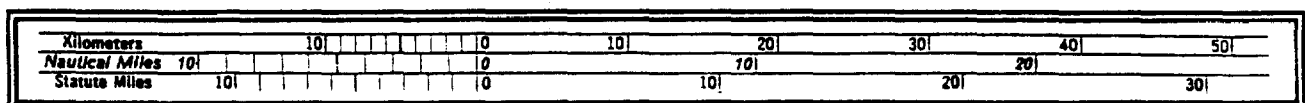
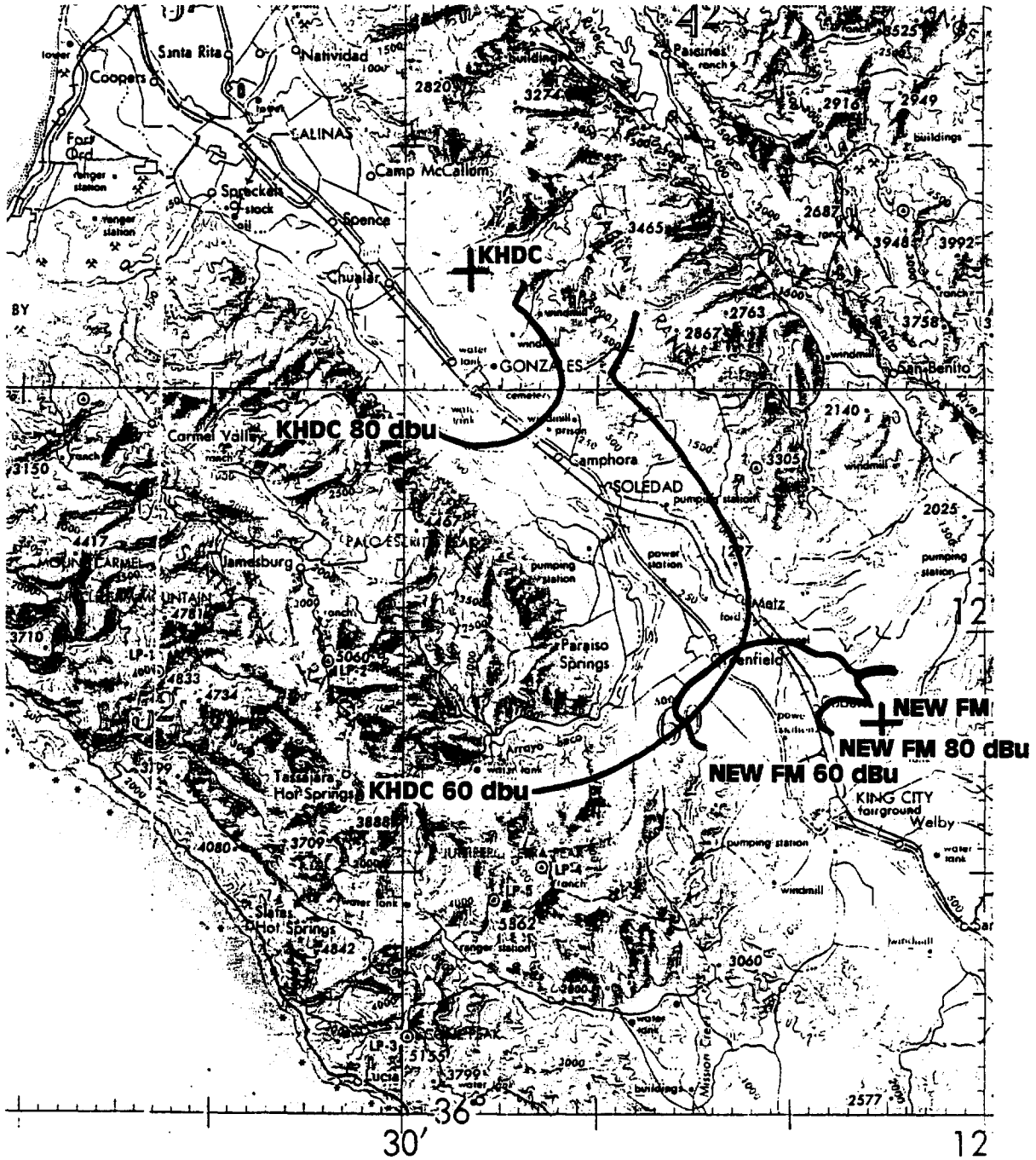


**Central Coast Educational Broadcasters**  
**New NCE-FM, King City, CA**  
**Amendment to pending application BPED-940606MB**

EXHIBIT E7  
 Page 9

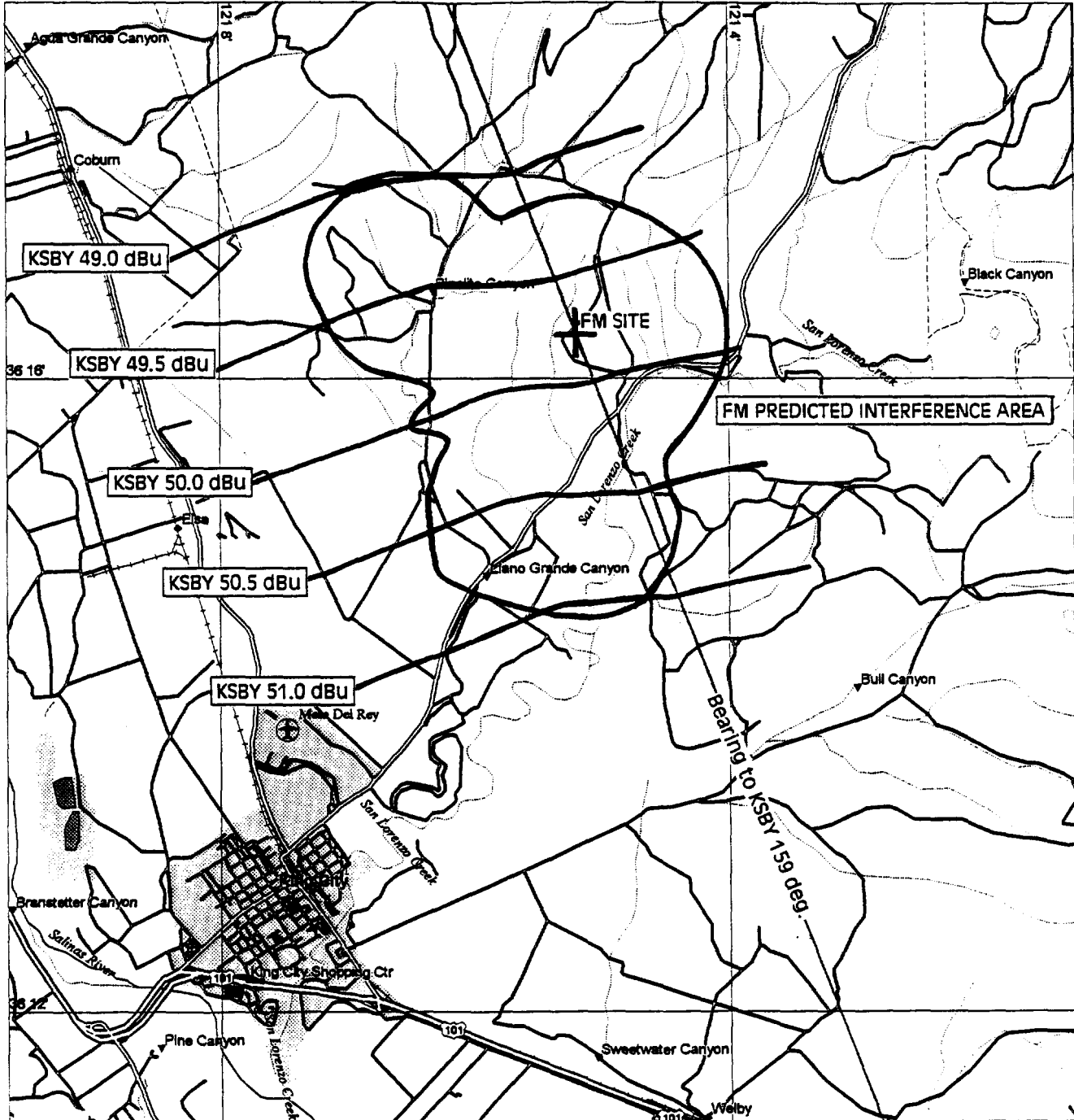
JUNE 1997



**Central Coast Educational Broadcasters  
New NCE-FM, King City, CA  
Amendment to pending application BPED-940606MB**

**EXHIBIT E8**  
**Page 3**

**JUNE 1997**



**1 Miles**

**2 KM**

**Central Coast Educational Broadcasters**  
**New NCE-FM, King City, CA**  
**Amendment to pending application BPED-940606MB**

EXHIBIT E8  
Page 2

JUNE 1997

<u>CH 6 dBu</u>	<u>Distance (km)</u>				<u>U/D (dBu)</u>
	<u>337 deg.</u>	<u>338 deg.</u>	<u>339 deg.</u>	<u>340 deg.</u>	
49.0	111.0	110.9	110.5	110.3	26.4
49.5	109.6	109.5	109.1	108.9	25.8
50.0	108.2	108.1	107.8	107.5	25.0
50.5	106.9	106.8	106.4	106.1	24.3
51.0	105.5	105.4	105.1	104.8	23.8

<u>FM int. dBu</u>	<u>Dist.(km)</u>
75.4	3.3 (290 deg.)
	3.2 (300 deg.)
	2.8 (310 deg.)
	2.4 (320 deg.)
75.3	1.6 (0 - 50 deg.)
	3.0 (270 deg.)
	3.3 (280 deg.)
	1.6 (330 - 350 deg.)
75.0	1.7 (60 - 100 deg.)
	2.2 (240 deg.)
	1.8 (250 deg.)
	2.5 (260 deg.)
74.8	1.7 (110 - 140 deg.)
	2.5 (150 deg.)
	3.0 (160 deg.)
	3.3 (170 - 200 deg.)
	3.2 (210 deg.)
	2.7 (220 deg.)
	1.9 (230 deg.)

**Central Coast Educational Broadcasters  
New NCE-FM, King City, CA  
Amendment to pending application BPED-940606MB**

EXHIBIT E8  
Page 1

JUNE 1997

---

The CH 6 TV that is within the required study distance of 174 km for FM channel 217 is as follows:

KSBY, San Luis Obispo, CA

35-21-37 / 120-39-17

100 KW ERP

885 meters COR AMSL

Distance to proposed FM: 108.4 km at 339 degrees

The proposed FM will utilize a directional antenna with vertical-only polarization. For purposes of this study, the maximum ERP of .930 KW was used as a "worst" case situation. In accordance with Section 73.525(e)(4)(i), the horizontal ERP used for this study, based on the maximum vertical ERP of .930 KW, is .023 KW. Using the information contained on page 2 of this Exhibit, the FM predicted interference area was determined to have a population of 509 persons.<sup>1</sup> Page 3 of this Exhibit contains a map showing the protected contours of KSBY and the FM predicted interference area.

<sup>1</sup> It should be noted that this population count was derived from the 1990 census data that utilizes uniform distribution of population throughout census blocks, and that the actual population within the FM predicted interference area is much less. This was determined by a detailed actual count of the houses in the general vicinity of the proposed site, done for the purpose of showing the population within the proposed 80 dBu contour as part of a request for a waiver of Section 73.509 of the Rules (see Exhibit E7 of this application).

**Central Coast Educational Broadcasters  
New NCE-FM, King City, CA  
Amendment to pending application BPED-940606MB**

EXHIBIT E9

JUNE 1997

---

**Environmental Impact & RF Radiation Compliance**

The proposed FM will be on a new tower on property near an existing tower currently used for non-broadcast purposes. The site is in compliance with all requirements of Section 1.1307 of the Commission's rules.

Currently there are no other broadcast facilities at the site. The proposed FM will operate with .930 KW (DA) vertical-only polarization, 22 meters above ground. Per OST Bulletin No. 65, the rf radiation 2 meters above ground level at the base of the tower will be 7.8% of the rf radiation limit. The 16.43 meter level on the tower is the point where the rf radiation would be 100% of the limit. The proposed FM's antenna height exceeds this by 5.57 meters. The site will be fenced and rf radiation hazard warning signs will be posted. All authorized personnel at the site will be protected from rf radiation exposure in all areas, specifically the tower. During times that personnel are required to access the area on the tower where rf radiation exists at or above 100% of the limit, either the power will be reduced or the station will temporarily cease operations.